

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/560,494

DATE: 10/09/2001

TIME: 10:16:03

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10092001\I560494.raw

## SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Jakobsen, Brent Karsten

7 Gao, George Fu

8 Gerth, Ulrich Conrad

9 Sewell, Andrew Kelvin

11 (ii) TITLE OF INVENTION: CD8 AS AN INHIBITOR OF THE CELLULAR

12 IMMUNE SYSTEM

14 (iii) NUMBER OF SEQUENCES: 26

16 (iv) CORRESPONDENCE ADDRESS:

17 (A) ADDRESSEE: Hale and Dorr LLP

18 (B) STREET: 60 State Street

19 (C) CITY: Boston

20 (D) STATE: Massachusetts

21 (E) COUNTRY: United States

22 (F) ZIP: 02109

24 (v) COMPUTER READABLE FORM:

25 (A) MEDIUM TYPE: Floppy disk

26 (B) COMPUTER: IBM PC compatible

27 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

28 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

30 (vi) CURRENT APPLICATION DATA:

C--> 31 (A) APPLICATION NUMBER: US/09/560,494

C--> 32 (B) FILING DATE: 28-Apr-2000

33 (C) CLASSIFICATION:

39 (vii) PRIOR APPLICATION DATA:

36 (A) APPLICATION NUMBER: WO PCT/GB98/03235

37 (B) FILING DATE: 28-OCT-1998

40 (A) APPLICATION NUMBER: GB 9722779.7

41 (B) FILING DATE: 28-OCT-1997

43 (viii) ATTORNEY/AGENT INFORMATION:

44 (A) NAME: Baker, Hollie L.

45 (B) REGISTRATION NUMBER: 31,321

46 (C) REFERENCE/DOCKET NUMBER: 102286.413

48 (ix) TELECOMMUNICATION INFORMATION:

49 (A) TELEPHONE: (617) 526-6000

50 (B) TELEFAX: (617) 526-5000

## ERRORED SEQUENCES

511 (2) INFORMATION FOR SEQ ID NO: 24:

513 (i) SEQUENCE CHARACTERISTICS:

514 (A) LENGTH: 122 amino acids

515 (B) TYPE: amino acid

516 (D) TOPOLOGY: linear

518 (ii) MOLECULE TYPE: protein

*Run  
delete stop codon*

## RAW SEQUENCE LISTING

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DATE: 10/09/2001

TIME: 10:16:03

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10092001\I560494.raw

519 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:

```

521 Met Ser Gln Phe Arg Val Ser Pro Leu Asp Arg Thr Trp Asn Leu Gly
522 1 5 10 15
524 Glu Thr Val Glu Leu Lys Cys Gln Val Leu Leu Ser Asn Pro Thr Ser
525 20 25 30
527 Gly Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala Ala Ser Pro Thr
528 35 40 45
530 Phe Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu
531 50 55 60
533 Asp Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu
534 65 70 75 80
536 Thr Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr Tyr Phe Cys Ser
537 85 90 95
539 Ala Leu Ser Asn Ser Ile Met Tyr Phe Ser His Phe Val Pro Val Phe
540 100 105 110
E--> 542 Leu Pro Ala Lys Pro Thr Thr Thr Pro *
543 115 120

```

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/560,494

DATE: 10/09/2001

TIME: 10:16:04

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10092001\I560494.raw

L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:542 M:342 E: Invalid Stop Code On Error, STOP CODON:\*  
L:567 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:571 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:575 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:579 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:583 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:587 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:591 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:595 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:599 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25

**STATISTICS SUMMARY**

PATENT APPLICATION: US/09/560,494

DATE: 10/09/2001

TIME: 10:16:04

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10092001\I560494.raw

Application Serial Number: US/09/560,494

Alpha or Numeric: Alpha

Application Class:

Application File Date: 04-28-2000

Art Unit: OIPE

Software Application: PatentIn

Total Number of Sequences: 26

Total Nucleotides: 1575

Total Amino Acids: 315

Number of Errors: 1

Number of Warnings: 9

Number of Corrections: 0

**MESSAGE SUMMARY**

342 E: 1 (Invalid Stop Code On Error)

336 W: 9 (Invalid Amino Acid Number in Coding Region)

OIPE

## RAW SEQUENCE LISTING

DATE: 08/09/2001

PATENT APPLICATION: US/09/560,494

TIME: 13:06:52

Input Set : A:\102286.413.txt

Output Set: N:\CRF3\08092001\I560494.raw

## SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Jakobsen, Brent Karsten

7 Gao, George Fu

8 Gerth, Ulrich Conrad

9 Sewell, Andrew Kelvin

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513 (i) SEQUENCE CHARACTERISTICS:

514 (A) LENGTH: 122 amino acids

515 (B) TYPE: amino acid

516 (D) TOPOLOGY: linear

518 (ii) MOLECULE TYPE: protein

*Read Rules - OK*

## RAW SEQUENCE LISTING

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DATE: 08/09/2001

TIME: 13:06:52

Input Set : A:\102286.413.txt

Output Set: N:\CRF3\08092001\I560494.raw

519 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:

```

521 Met Ser Gln Phe Arg Val Ser Pro Leu Asp Arg Thr Trp Asn Leu Gly
522   1           5           10           15
524 Glu Thr Val Glu Leu Lys Cys Gln Val Leu Leu Ser Asn Pro Thr Ser
525           20           25           30
527 Gly Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala Ala Ser Pro Thr
528           35           40           45
530 Phe Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu
531           50           55           60
533 Asp Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu
534   65           70           75           80
536 Thr Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr Tyr Phe Cys Ser
537           85           90           95
539 Ala Leu Ser Asn Ser Ile Met Tyr Phe Ser His Phe Val Pro Val Phe
540           100          105          110

```

E--&gt; 542 Leu Pro Ala Lys Pro Thr Thr Thr Pro \*

543 115 120

602 (2) INFORMATION FOR SEQ ID NO: 26:

604 (i) SEQUENCE CHARACTERISTICS:

605 (A) LENGTH: 131 amino acids

606 (B) TYPE: amino acid

607 (D) TOPOLOGY: linear

609 (ii) MOLECULE TYPE: protein

610 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 26:

```

612 Met Lys Pro Gln Ala Pro Glu Leu Arg Ile Phe Pro Lys Lys Met Asp
613   1           5           10           15
615 Ala Glu Leu Gly Gln Lys Val Asp Leu Val Cys Glu Val Leu Gly Ser
616           20           25           30
618 Val Ser Gln Gly Cys Ser Trp Leu Phe Gln Asn Ser Ser Ser Lys Leu
619           35           40           45
621 Pro Gln Pro Thr Phe Val Val Tyr Met Ala Ser Ser His Asn Lys Ile
622           50           55           60
624 Thr Trp Asp Glu Lys Leu Asn Ser Ser Lys Leu Phe Ser Ala Met Arg
625   65           70           75           80
627 Asp Thr Asn Asn Lys Tyr Val Leu Thr Leu Asn Lys Phe Ser Lys Glu
628           85           90           95
630 Asn Glu Gly Tyr Tyr Phe Cys Ser Val Ile Ser Asn Ser Val Met Tyr
631           100          105          110
633 Phe Ser Ser Val Val Pro Val Leu Gln Lys Val Asn Ser Thr Thr Thr
634           115          120          125

```

E--&gt; 636 Lys Pro \*

637 130

Edited Stop Codon and Part 2 section i section A

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/560,494

DATE: 08/09/2001

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L:567 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
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L:575 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:579 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:583 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:587 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:591 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:595 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:599 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:636 M:342 E: Invalid Stop Code On Error, STOP CODON:\*

**STATISTICS SUMMARY**

PATENT APPLICATION: US/09/560,494

DATE: 08/09/2001

TIME: 13:06:53

Input Set : A:\102286.413.txt

Output Set: N:\CRF3\08092001\I560494.raw

Application Serial Number: US/09/560,494

Alpha or Numeric: Alpha

Application Class:

Application File Date: 04-28-2000

Art Unit: OIPE

Software Application: PatentIn

Total Number of Sequences: 26

Total Nucleotides: 1575

Total Amino Acids: 316

Number of Errors: 2

Number of Warnings: 9

Number of Corrections: 0

**MESSAGE SUMMARY**

342 E: 2 (Invalid Stop Code On Error)

336 W: 9 (Invalid Amino Acid Number in Coding Region)